Please replace the title of the invention with the following new title:

METHOD FOR SEPARATING A MASK FROM THE SURFACE OF A SEMICONDUCTOR WAFER.

Please replace paragraph [0022] with the following amended paragraph:

ABSTRACT OF THE DISCLOSURE

[0022] Computer controlled de-clip-shadow mask removal machine. The present disclosure describes a computer controlled, fully programmable de-clip-shadow mask removal method and system. This A method for separating a mask from the surface of a semiconductor wafer comprises first mounting a mask/wafer combination on a rotatable surface and then rotating the rotatable surface. A separating device is inserted at the edge of the mask between the two mating services of the mask and the semiconductor wafer. The semiconductor device is then urged upward toward the rotating center of the mask/wafer combination while the rotatable surface is rotating, and system is adapted to removes retaining clips (without human contact), separate a shadow mask from a semiconductor wafer after a metal evaporation process, and then remove the shadow mask with greater accuracy. The system uses servomotors which precisely control all ranges of motion required to safely and efficiently remove the mask from the wafer thus minimizing potential damages incurred by human contact.

AMENDMENT AND RESPONSE S/N 10/666.649 Atty. Dkt. No. MQLI-26465

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This listing of claims will replace all prior versions, and listings, of claims in this application:

1. (Currently Amended): A method for separating a mask from the surface of a semiconductor wafer when configured as a mask/wafer combination, comprising the steps of:

mounting the mask/wafer combination on a rotatable surface;

rotating the rotatable surface;

SENT BY: HOWISON, & ARNO;

inserting a separating device de-masking device at the edge of the mask between the two mating surfaces of the mask and the semiconductor wafer, and

urging the scparating device de-masking device toward the rotating center of the mask/wafer combination while the rotatable surface is rotating.

- 2.(Previously Presented): The method of Claim 1, wherein the surface of the semiconductor wafer diametrically opposite the mask is disposed proximate to the surface of the rotatable surface.
- 3. (Currently Amended): The method of Claim 2, further comprising the step of moving the rotatable surface away from the separating device de-masking device with the semiconductor wafer attached thereto.
- 4. (Currently Amended): The method of Claim 3, wherein the step of moving the rotatable surface comprises the moving the rotatable surface as a function of the movement of the separator device de-masking device toward the rotating center of the mask/wafer combination.
 - 5. (Previously Presented): The method of Claim 1, wherein the mask comprises a metal mask.
- 6. (Previously Presented): The method of Claim 5, wherein the metal mask comprises a shadow mask.
- 7. (Currently Amended): The method of Claim 1, wherein the separating device de-masking device comprises a wedge shaped device.

AMENDMENT AND RESPONSE S/N 10/666,649 Atty. Dkt. No. MOLI-26465 5

4

- 8. (Previously Presented): The method of Claim 1, further comprising the step of programming the rotational speed of the rotatable surface.
- 9. (Previously Presented): The method of Claim 1, wherein the mask/wafer combination is held onto the rotatable surface by a vacuum.
- 10. (Currently Amended): The method of Claim 1, and further comprising the step of urging the surface of the mask/wafer combination downward as the separating device de-masking device is moved toward the rotating center of the mask/wafer combination while the rotatable surface is rotating.
- 11. (Withdrawn): A shadow mask removal system for separating a mask from the surface of a semiconductor wafer when configured as a mask/wafer combination, comprising:
 - a rotatable surface for receiving in a mounting relationship the mask/wafer combination;
 - a rotation apparatus for rotating the rotatable surface;
- a separating device operable to be inserted at the edge of the mask between the two mating surfaces of the mask and the semiconductor wafer; and
- a motive device for urging the separating device toward the rotating center of the mask/wafer combination while the rotatable surface is rotating.
- 12. (Withdrawn): The shadow mask removal system of Claim 11, wherein the surface of the semiconductor wafer diametrically opposite the mask is disposed proximate to the surface of the rotatable surface.
- 13. (Withdrawn): The shadow mask removal system of Claim 12, wherein the motive device is operable to move the rotatable surface away from the separating device with the semiconductor wafer attached thereto.
- 14. (Withdrawn): The shadow mask removal system of Claim 13, wherein the motive device is operable to move the rotatable surface as a function of the movement of the separator device toward

AMENDMENT AND RESPONSE S/N 10/666,649 Atty. Dkt. No. MOLI-26465 5

the rotating center of the mask/wafer combination.

- 15. (Withdrawn): The shadow mask removal system of Claim 11, wherein the mask comprises a metal mask.
- 16. (Withdrawn): The shadow mask removal system of Claim 15, wherein the metal mask comprises a shadow mask.
- 17. (Withdrawn): The shadow mask removal system of Claim 11, wherein the separating device comprises a wedge shaped device.
- 18. (Withdrawn): The shadow mask removal system of Claim 11, further comprising a program device for programming the rotational speed of the rotatable surface.
- 19. (Withdrawn): The shadow mask removal system of Claim 11, wherein the mask/wafer combination is held onto the rotatable surface by a vacuum device.
- 20. (Withdrawn): The shadow mask removal system of Claim 11, and further comprising a vertical motive device for urging the surface of the mask/wafer combination downward as the separating device is moved toward the rotating center of the mask/wafer combination while the rotatable surface is rotating.

AMENDMENT AND RESPONSE S/N 10/666,649 Atty. Dkt. No. MOLI-26465

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